

BRIEF CURRICULUM VITAE OF IOANNIS (JOHN) RIZOS

Physics Department, University of Ioannina, GR45110 Ioannina, Greece

Telephone: +30 26510 08614, e-mail: irizos@uoi.gr

Homepage: <https://sites.google.com/uoi.gr/irizos/>

Ioannis (John) Rizos is a Professor at the Department of Physics of the University of Ioannina. He holds a B.Sc. in Physics and a Ph.D. (1991) of the University of Ioannina. He worked as a postdoctoral researcher at the École Polytechnique in Paris (1991-93) and at the International School of Advanced Studies Trieste (1993-1994). He was a visiting Professor at the International School of Advanced Studies Trieste (1995-1996), and at École Polytechnique and École Normale Supérieure (2000-2001) in Paris. He also worked as Scientific Associate at the European Organization for Nuclear Research (CERN) (2013).

He held various positions within the Department of Physics at the University of Ioannina, including serving as Head (2013-2017), Vice Head from (2009-2013), and as president of the Steering Committee for the postgraduate program “New Technologies and Research in Physics Education” for over ten years. Additionally, he was responsible for the Network Operations Center of the University of Ioannina for over ten years.

He has taught several courses at the Department of Physics of the University of Ioannina including “Classical Mechanics I”, “Classical Mechanics II”, “Quantum Mechanics II”, “Classical Electrodynamics I”, “Group Theory”, “Mathematics and Physics by Computers”. For more than twenty years he has been a Tutor at the Hellenic Open University and has taken on the role of Coordinator for four Course Modules (FYE14, FYE34, FYE40, DAMA50). Since the academic year 2022-23 he is the Coordinator of the module “DAMA50: Mathematics for Machine Learning” of the graduate program “Data Science and Machine Learning” of the Hellenic Open University.

His research work focuses on Theoretical High Energy Physics, Cosmology and Computational Physics. He has authored 70 scientific articles published in refereed journals and international conference proceedings, with over 5000 citations and an h-index of 37 [Google Scholar, 2024].

He has participated in the organizing committees of several international scientific conferences and schools in the field of theoretical physics and has been the main organizer of three of them (STRINGPHENO2016, HEP2017, BS2019). He is a reviewer of international scientific journals and member of the editorial board of two international scientific journals (International Journal of Modern Physics A, Modern Physics Letters A).

Selected recent publications:

- [1] “From free-fermionic constructions to orbifolds and back”, I. Florakis and J. Rizos, JHEP 01 (2024), 151 doi:10.1007/JHEP01(2024)151 [arXiv:2310.10438 [hep-th]].
- [2] “String Model Building on Quantum Annealers”, S. A. Abel, L. A. Nutricati and J. Rizos, Fortsch. Phys. 71 (2023) no.12, 2300167 doi:10.1002/prop.202300167 [arXiv:2306.16801 [hep-th]].
- [3] “Super no-scale models with Pati-Salam gauge group,” I. Florakis, J. Rizos and K. Violaris-Gountonis, Nucl. Phys. B 976 (2022), 115689 doi:10.1016/j.nuclphysb.2022.115689 [arXiv:2110.06752 [hep-th]].
- [4] “Particle physics and cosmology of the string derived no-scale flipped $SU(5)$ ”, I. Antoniadis, D. V. Nanopoulos and J. Rizos, Eur. Phys. J. C 82 (2022) no.4, 377 doi:10.1140/epjc/s10052-022-10353-6 [arXiv:2112.01211 [hep-th]].
- [5] “Towards machine learning in the classification of $Z_2 \times Z_2$ orbifold compactifications,” A. E. Faraggi, G. Harries, B. Percival and J. Rizos, J. Phys. Conf. Ser. 1586 (2020) no.1, 012032 doi:10.1088/1742-6596/1586/1/012032 [arXiv:1901.04448 [hep-th]].

Updated Feb 2024